

INTERNATIONAL SEARCH REPORT

Internat. Application No.

PCT/13/03639

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09K11/46 C09K11/463 C09K11/465 C09K11/467 C09K11/473
H01J61/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 383 388 A (PHILIPS NV) 22 August 1990 (1990-08-22) the whole document	1-6
A	US 4 088 599 A (SUZUKI TERUKI ET AL) 9 May 1978 (1978-05-09) the whole document	1, 4
A	DATABASE WPI Section Ch, Week 200166 Derwent Publications Ltd., London, GB; Class L03, AN 2001-587434 XP002260974 & KR 2001 026 297 A (null) 6 April 2001 (2001-04-06) abstract	1, 4

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

11 November 2003

Date of mailing of the international search report

24/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Drouot, M-C

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal publication No

PCT/IB/93/03639

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0383388	A	22-08-1990	NL 8900364 A	03-09-1990
			CN 1044948 A ,B	29-08-1990
			DE 69009789 D1	21-07-1994
			DE 69009789 T2	19-01-1995
			EP 0383388 A1	22-08-1990
			HU 52806 A2	28-08-1990
			JP 2247279 A	03-10-1990
			US 4963787 A	16-10-1990
US 4088599	A	09-05-1978	JP 903674 C	30-03-1978
			JP 52008992 A	24-01-1977
			JP 52032874 B	24-08-1977
KR 2001026297	A	06-04-2001	NONE	